

Title (en)

RULABLE MULTI-DIRECTIONAL PRISM CLUSTER RETROREFLECTIVE SHEETING

Title (de)

RETROREFLEKTIERENDE BESCHICHTUNG FÜR EIN STEUERBARES MULTIDIREKTIONALES PRISMA-CLUSTER

Title (fr)

FEUILLE RÉTRORÉFLÉCHISSANTE À GROUPEMENTS DE PRISMES MULTIDIRECTIONNELS POUVANT ÊTRE GRADUÉE

Publication

EP 2773988 B1 20220629 (EN)

Application

EP 12813147 A 20121030

Priority

- US 201113286505 A 20111101
- US 2012062531 W 20121030

Abstract (en)

[origin: US2013107364A1] A rotationally insensitive, retroreflective prismatic sheeting and method of manufacture is provided. The sheeting includes discrete clusters of cube corners that are separated from one another on all sides by a textured surface. Each of the cube corners in each cluster has a base edge that is not collinear or parallel with the base edges of cube corners on either side of it. The array of cube corners clusters is rulable, and the cube corners have different orientations. Four or more of the cube corners in each cluster may have edges that converge into a central point within the cluster, and the cube corners of the clusters may include at least two symmetrical pairs of cube corners. The shapes of the cube corner clusters may be polygonal, and all of the cube corners may share a common vertex located at the center of the polygonal shape.

IPC 8 full level

G02B 5/124 (2006.01)

CPC (source: CN EP RU US)

G02B 5/124 (2013.01 - CN EP RU US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2013107364 A1 20130502; US 8783880 B2 20140722; AU 2012332746 A1 20140515; AU 2012332746 B2 20151210;
BR 112014010423 A2 20170425; BR 112014010423 B1 20210908; CA 2854314 A1 20130510; CA 2854314 C 20190430;
CN 104603648 A 20150506; CN 104603648 B 20170616; CO 6950452 A2 20140520; EP 2773988 A1 20140910; EP 2773988 B1 20220629;
ES 2927317 T3 20221104; JP 2014532898 A 20141208; KR 101950267 B1 20190220; KR 20140130100 A 20141107; MY 165758 A 20180423;
PL 2773988 T3 20230116; RU 2014117867 A 20151210; RU 2610926 C2 20170217; WO 2013066844 A1 20130510; ZA 201403039 B 20151125

DOCDB simple family (application)

US 201113286505 A 20111101; AU 2012332746 A 20121030; BR 112014010423 A 20121030; CA 2854314 A 20121030;
CN 201280065482 A 20121030; CO 14093868 A 20140502; EP 12813147 A 20121030; ES 12813147 T 20121030; JP 2014539134 A 20121030;
KR 20147014987 A 20121030; MY PI2014001262 A 20121030; PL 12813147 T 20121030; RU 2014117867 A 20121030;
US 2012062531 W 20121030; ZA 201403039 A 20140425